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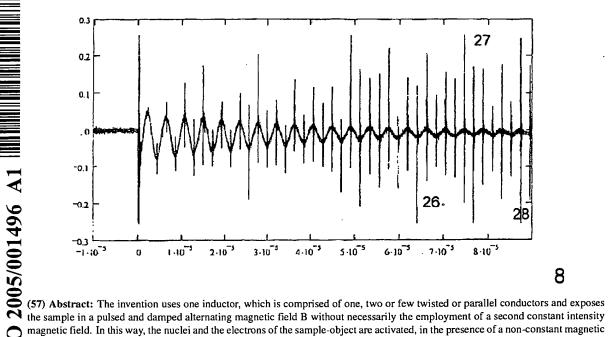
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magnetic field. In this way, the nuclei and the electrons of the sample-object are activated, in the presence of a non-constant magnetic field B that gets infinite negative and positive values between successive damped positive and negative values, crossing through the zero value during a magnetic pulse. Thus, a wide nuclear NMR and Electronic EPR Multiple - Resonance of sample, is achieved.